

## ABSTRACT

Coolant water is prevented from stagnating with no restriction to a mounted posture of an EGR cooler to a vehicle.

The EGR cooler has tubes 3 and a shell 1 surrounding the tubes 3, coolant water 9 being fed into and discharged from the shell 1, exhaust gas being passed through the tubes 3 for heat exchange of the exhaust gas with the coolant water 9. An annular coolant-water supply chamber 11 is fitted over the shell 1 near an axial end of the shell 1. A coolant-water inlet pipe 4 is connected to a periphery of the supply chamber 11. Communicating holes 12 are formed at a plurality of peripheral positions sequentially along a portion of the shell 1 surrounded by the supply chamber 11 such that the holes have gradually reduced diameters as they are apart from the connection of the shell with the inlet pipe 4, so that the coolant water 9 may be introduced into the shell 1 substantially evenly through the communicating holes 12.